PTO/SB/08a (09-08)

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Sut	ostitute for form 1449A/PTO			Complete if Known		
				Application Number	10/749,052-Conf. #7395	
11	<b>VEORMATION</b>	N DI	SCLOSURE	Filing Date	December 30, 2003	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	lan G. BOLTON	
				Art Unit	2192	
	(Use as many sh	eets as	s necessary)	Examiner Name	E. B. Kiss	
Sheet	1	of	4	Attorney Docket Number	1801270.00138US1	

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant			
	AA*	US-20010042172	11-15-2001	• •	Figures Appear			
<u></u>	AB*	US-20010042172		Duesterwald et al.				
	AC*	US-20040134009 US-20040221278	08-05-2004 11-04-2004	Reynaud  Dankel et al.				
	AD*	US-20040221278	11-04-2004	Bolton et al.				
	AE*	US-20040255279-A1	12-16-2004	Rawsthorne et al.				
	AF*	US-20050010891	01-13-2005	Chaiken et al.				
<b></b>	AG*	US-5,652,889	07-29-1997	Sites				
	AH*	US-5,751,982	05-12-1998	Morley				
	AI*	US-5,768,593	06-16-1998	Walters et al.				
	AJ*	US-5,828,884	10-27-1998	Lee et al.				
	AK*	US-5,842,017	11-24-1998	Hookway et al.				
	AL*	US-5,867,690	02-02-1999	Lee et al.				
··	AM*	US-5,970,236	10-19-1999	Galloway et al.				
	AN*	US-6,002,879	12-14-1999	Radigan et al.	***************************************			
	AO*	US-6,021,275	02-01-2000	Horwat				
	AP*	US-6,085,203	07-04-2000	Ahlers et al.				
	AQ*	US-6,099,585	08-08-2000	Godfrey				
	AR*	US-6,189,141	02-13-2001	Benitez et al.				
	AS*	US-6,237,141	05-22-2001	Holzle et al.				

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear				
	ВА	EP-0908819	04-14-1999 Sun Microsystems			1			
	BB	GB-2367652	04-10-2002	Advanced Risc Mach Ltd					
	вс	WO-00/24649	05-04-2000						
	BD	WO-01/027751	04-19-2001			1			
		,							

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s	TATEMENT E	3Y /	APPLICANT	First Named Inventor	lan G. BOLTON	
				Art Unit	2192	
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	AT*	US-6,345,384	02-05-2002	Sato et al.				
	AU*	US-6,535,903-A1	03-18-2003	Yates et al.				
	AV*	US-6,880,152	04-12-2005	Torvalds et al.				
	AW*	US-7,200,841	04-03-2007	Lovett et al.				
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear			
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S	TATEMENT E	3Y A	APPLICANT	First Named Inventor	lan G. BOLTON	
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Sheet	3	of	4	Attorney Docket Number	1801270.00138US1	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	" Analysis of the Virtual Method Invocation for Binary Translation." Proceedings of the Ninth Conference on Reverse Engineering. Troger and Clifuentes. pages 65-74.	
	CB	"Program of MacHack '96 (confirming the publication date of document D1) Online "	
	000000000000000	<del>XP002300340.</del>	
	СС	Altman et al. IBM Search Report. "BOA: The Architecture of a Binary Translation Processor. December 16, 1999.	
CD Bala, Vasanth et al. "Dynamo: A Transparent Dynamic Optimization System." PLDI 2 pages 1-12.  Cifuentes C et al. "The Design of a Resourceable and Retargetable Binary Translato Reverse Engineering. 1999. Proceedings Sixth Working Conference on Atlanta, Geopages 280-291. XP010360118.			
	CG	Erik Altman et al. "Welcome to the Opportunities of Binary Translation." pages 40-45. IEEE.	
	СН	Ertl, M. Anton. "A Portable Forth Engine." In EuroForth 1993 Conference Proceedings. pages 1-5.	
	Cl	Hootetter, Matthew J: "Executor Internals: How to Efficiently Run Mac Programs on PGs Online:" 1006, XP002300303	
	Cl	International Search Report for International Patent Application No. PCT/GB2004/001722 mailed February 3, 2005.	

Examiner	Date	
Signature	Considered	

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	International Search Report from International Patent Application No. PCT/GB2004/001744 mailed November 23, 2004.				
	CL	Palaniswamy A C et al. "An Efficient Implementation of Lazy Reevaluation." Proceedings of the 25th Annual Simulation Symposium." IEEE. 1992. pages 140-146. XP010028446.			
	СМ	Sun Microsystems. "The Java Hotspot Virtual Machine." V.1.41, d2. A Technical White Paper. September 2002.			
CN		Ung, David et al. "Machine Adaptable Dynamic Binary Translation." Proceedings of the ACM Sigplan Workshop on Dynamic and Adaptive Compilation and Optimization. January 2000. pages 41-51. XP002279759.			
	со	United Kingdom Search Report from United Kingdom Patent Application No. GB0320718.0 dated February 24, 2004.			
OP Chang et al. Performance Implications of Besign alternatives for Remote precedure call stubs					
	CO	www.ardi.com/SysPaner/node5.html, "Native Code."			

Examiner	/Eric B. Kiss/	Date	01/31/2009	ĺ
Signature		Considered	01/01/2000	

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